

# Appendix A

|                            |
|----------------------------|
| System Check 750 MHz Head  |
| System Check 835 MHz Head  |
| System Check 1750 MHz Head |
| System Check 1900 MHz Head |

Summary

| Dipole          | Frequency [MHz] | TSL | Power [dBm] | Dev. 1g [%] | Dev. 10g [%] | Dev. Peak [%] | Iso. Error [%] |
|-----------------|-----------------|-----|-------------|-------------|--------------|---------------|----------------|
| D750V3 – SN1231 | 750.0           | HSL | 24.0        | –6.8        | –7.6         | 8.1           | 1.8            |

Exposure Conditions

| Phantom Section, TSL | Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|--------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Flat, HSL            | 15                 |      | CW, 0--    | 750.000, 0                      | 9.65              | 0.894                  | 42.7             |

Hardware Setup

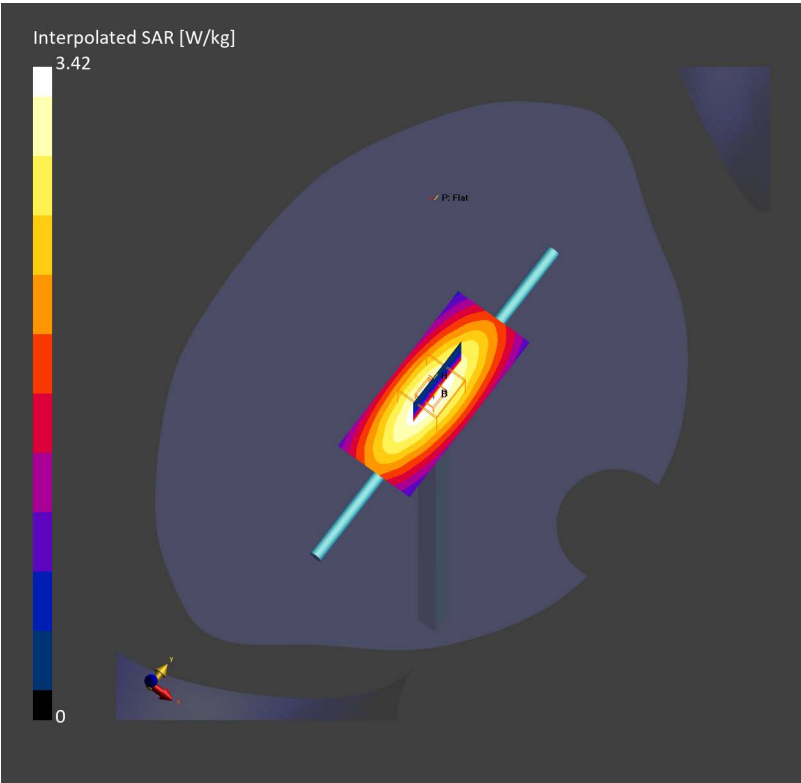
| Phantom                                 | TSL, Measured Date               | Probe, Calibration Date     | DAE, Calibration Date     |
|-----------------------------------------|----------------------------------|-----------------------------|---------------------------|
| Twin-SAM V8.0 (30deg probe tilt) – 2173 | HSL750 Charge: xxxx, 2024-Jul-15 | EX3DV4 – SN7812, 2024-06-25 | DAE4ip Sn1847, 2024-01-04 |

Scans Setup

|                     | Area Scan   | Zoom Scan          |
|---------------------|-------------|--------------------|
| Grid Extents [mm]   | 40.0 x 90.0 | 32.0 x 32.0 x 30.0 |
| Grid Steps [mm]     | 10.0 x 15.0 | 6.0 x 6.0 x 1.5    |
| Sensor Surface [mm] | 3.0         | 1.4                |
| Graded Grid         | N/A         | Yes                |
| Grading Ratio       | N/A         | 1.5                |
| MAIA                | N/A         | N/A                |
| Surface Detection   | VMS + 6p    | VMS + 6p           |
| Scan Method         | Measured    | Measured           |

Measurement Results

|                     | Area Scan     | Zoom Scan     |
|---------------------|---------------|---------------|
| Date                | 2024-07-15    | 2024-07-15    |
| psSAR1g [W/Kg]      | 2.07          | 2.02          |
| psSAR10g [W/Kg]     | 1.38          | 1.31          |
| Power Drift [dB]    | –0.16         | –0.00         |
| Power Scaling       | Disabled      | Disabled      |
| Scaling Factor [dB] |               |               |
| TSL Correction      | No correction | No correction |



Summary

| Dipole           | Frequency [MHz] | TSL | Power [dBm] | Dev. 1g [%] | Dev. 10g [%] | Dev. Peak [%] | Iso. Error [%] |
|------------------|-----------------|-----|-------------|-------------|--------------|---------------|----------------|
| D835V2 – SN4d302 | 835.0           | HSL | 24.0        | –3.4        | –4.6         | 10.5          | 1.8            |

Exposure Conditions

| Phantom Section, TSL | Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|--------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Flat, HSL            | 15                 |      | CW, 0--    | 835.000, 0                      | 9.35              | 0.898                  | 42.1             |

Hardware Setup

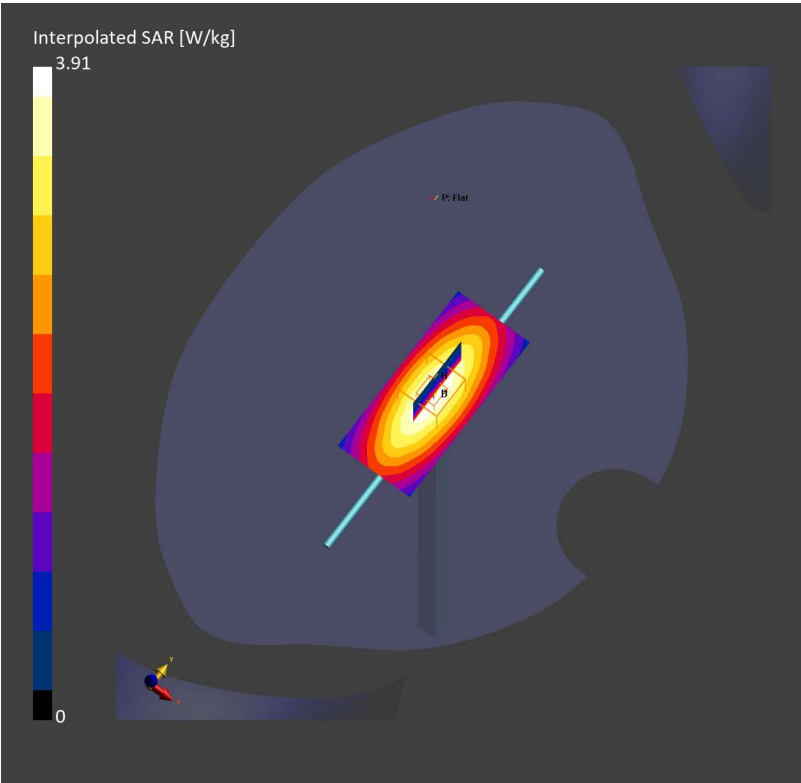
| Phantom                                 | TSL, Measured Date               | Probe, Calibration Date     | DAE, Calibration Date     |
|-----------------------------------------|----------------------------------|-----------------------------|---------------------------|
| Twin-SAM V8.0 (30deg probe tilt) – 2173 | HSL835 Charge: xxxx, 2024-Jul-15 | EX3DV4 – SN7812, 2024-06-25 | DAE4ip Sn1847, 2024-01-04 |

Scans Setup

|                     | Area Scan   | Zoom Scan          |
|---------------------|-------------|--------------------|
| Grid Extents [mm]   | 40.0 x 90.0 | 32.0 x 32.0 x 30.0 |
| Grid Steps [mm]     | 10.0 x 15.0 | 6.0 x 6.0 x 1.5    |
| Sensor Surface [mm] | 3.0         | 1.4                |
| Graded Grid         | N/A         | Yes                |
| Grading Ratio       | N/A         | 1.5                |
| MAIA                | N/A         | N/A                |
| Surface Detection   | VMS + 6p    | VMS + 6p           |
| Scan Method         | Measured    | Measured           |

Measurement Results

|                     | Area Scan     | Zoom Scan     |
|---------------------|---------------|---------------|
| Date                | 2024-07-15    | 2024-07-15    |
| psSAR1g [W/Kg]      | 2.31          | 2.34          |
| psSAR10g [W/Kg]     | 1.52          | 1.51          |
| Power Drift [dB]    | 0.09          | 0.02          |
| Power Scaling       | Disabled      | Disabled      |
| Scaling Factor [dB] |               |               |
| TSL Correction      | No correction | No correction |



Summary

| Dipole           | Frequency [MHz] | TSL | Power [dBm] | Dev. 1g [%] | Dev. 10g [%] | Dev. Peak [%] | Iso. Error [%] |
|------------------|-----------------|-----|-------------|-------------|--------------|---------------|----------------|
| D1750V2 – SN1115 | 1750.0          | HSL | 24.0        | 0.8         | 2.3          | 6.7           | 1.0            |

Exposure Conditions

| Phantom Section, TSL | Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|--------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Flat, HSL            | 10                 |      | CW, 0--    | 1750.000, 0                     | 7.78              | 1.38                   | 40.2             |

Hardware Setup

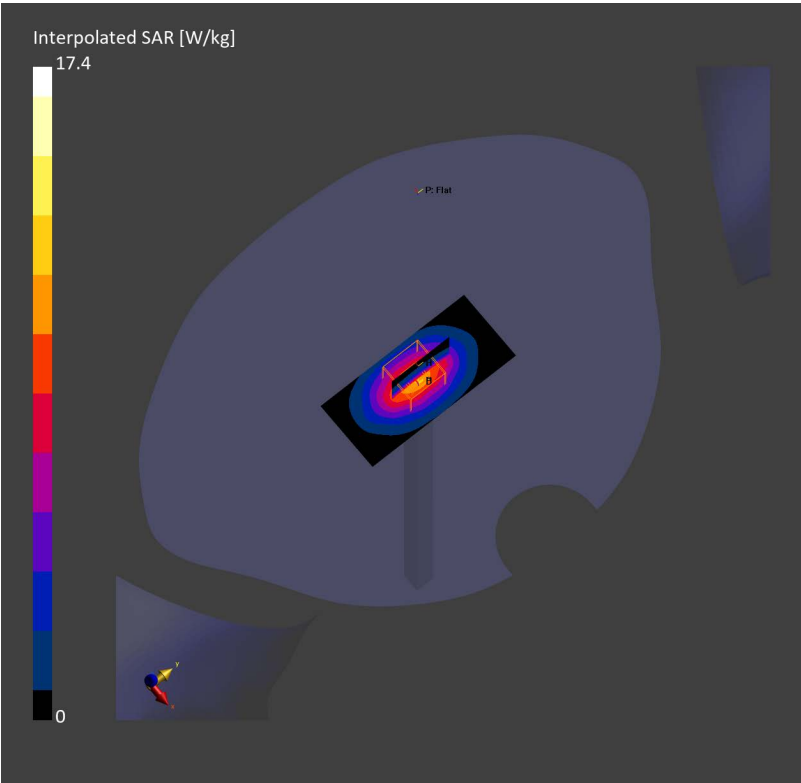
| Phantom                                 | TSL, Measured Date                | Probe, Calibration Date     | DAE, Calibration Date     |
|-----------------------------------------|-----------------------------------|-----------------------------|---------------------------|
| Twin-SAM V8.0 (30deg probe tilt) – 2168 | HSL1750 Charge: xxxx, 2024-Jul-15 | EX3DV4 – SN7858, 2024-01-09 | DAE4ip Sn1846, 2023-11-29 |

Scans Setup

|                     | Area Scan   | Zoom Scan          |
|---------------------|-------------|--------------------|
| Grid Extents [mm]   | 40.0 x 90.0 | 32.0 x 32.0 x 30.0 |
| Grid Steps [mm]     | 10.0 x 15.0 | 6.0 x 6.0 x 1.5    |
| Sensor Surface [mm] | 3.0         | 1.4                |
| Graded Grid         | N/A         | Yes                |
| Grading Ratio       | N/A         | 1.5                |
| MAIA                | N/A         | N/A                |
| Surface Detection   | VMS + 6p    | VMS + 6p           |
| Scan Method         | Measured    | Measured           |

Measurement Results

|                     | Area Scan     | Zoom Scan     |
|---------------------|---------------|---------------|
| Date                | 2024-07-15    | 2024-07-15    |
| psSAR1g [W/Kg]      | 9.40          | 9.39          |
| psSAR10g [W/Kg]     | 5.07          | 5.03          |
| Power Drift [dB]    | -0.07         | -0.01         |
| Power Scaling       | Disabled      | Disabled      |
| Scaling Factor [dB] |               |               |
| TSL Correction      | No correction | No correction |



Summary

|                 |                 |     |             |             |              |               |                |
|-----------------|-----------------|-----|-------------|-------------|--------------|---------------|----------------|
| Dipole          | Frequency [MHz] | TSL | Power [dBm] | Dev. 1g [%] | Dev. 10g [%] | Dev. Peak [%] | Iso. Error [%] |
| D1900V2 – SN512 | 1900.0          | HSL | 24.0        | 6.7         | 6.8          | 9.9           | 0.9            |

Exposure Conditions

|                      |                    |      |            |                                 |                   |                        |                  |
|----------------------|--------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Phantom Section, TSL | Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
| Flat, HSL            | 10                 |      | CW, 0--    | 1900.000, 0                     | 7.43              | 1.42                   | 40.3             |

Hardware Setup

|                                         |                                   |                             |                           |
|-----------------------------------------|-----------------------------------|-----------------------------|---------------------------|
| Phantom                                 | TSL, Measured Date                | Probe, Calibration Date     | DAE, Calibration Date     |
| Twin-SAM V8.0 (30deg probe tilt) – 2168 | HSL1900 Charge: xxxx, 2024-Jul-15 | EX3DV4 – SN7858, 2024-01-09 | DAE4ip Sn1846, 2023-11-29 |

Scans Setup

|                     |             |                    |
|---------------------|-------------|--------------------|
|                     | Area Scan   | Zoom Scan          |
| Grid Extents [mm]   | 40.0 x 90.0 | 32.0 x 32.0 x 30.0 |
| Grid Steps [mm]     | 10.0 x 15.0 | 6.0 x 6.0 x 1.5    |
| Sensor Surface [mm] | 3.0         | 1.4                |
| Graded Grid         | N/A         | Yes                |
| Grading Ratio       | N/A         | 1.5                |
| MAIA                | N/A         | N/A                |
| Surface Detection   | VMS + 6p    | VMS + 6p           |
| Scan Method         | Measured    | Measured           |

Measurement Results

|                     |               |               |
|---------------------|---------------|---------------|
|                     | Area Scan     | Zoom Scan     |
| Date                | 2024-07-15    | 2024-07-15    |
| psSAR1g [W/Kg]      | 10.6          | 10.6          |
| psSAR10g [W/Kg]     | 5.53          | 5.51          |
| Power Drift [dB]    | 0.00          | -0.03         |
| Power Scaling       | Disabled      | Disabled      |
| Scaling Factor [dB] |               |               |
| TSL Correction      | No correction | No correction |

